

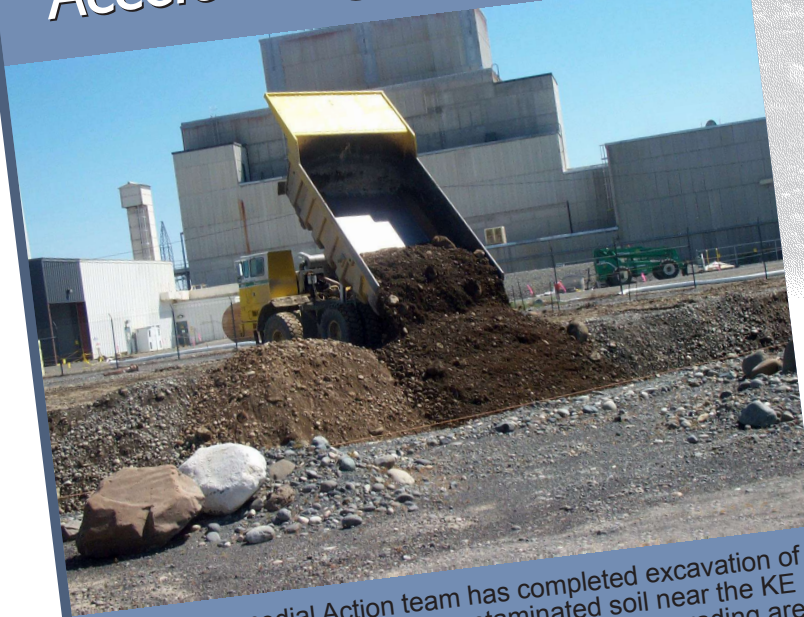
Environmental Restoration Contract

Monthly Performance Report

August 2005

This will be the last ERC monthly performance report. Washington Closure Hanford (WCH) assumed River Corridor cleanup responsibilities on August 27, 2005.

Accelerating Cleanup ...



The ERC Remedial Action team has completed excavation of this pipeline and the adjacent contaminated soil near the KE Reactor in Hanford's river corridor. Backfill and regrading are underway.



Department of Energy
Richland Operations Office



Bechtel Hanford, Inc.
Environmental Restoration Contractor



CH2MHILL Hanford Inc.



**EBERLINE
SERVICES**
HANFORD, INC.

ENVIRONMENTAL RESTORATION EXECUTIVE SUMMARY

August 2005 Monthly Report

SAFETY:

As of August 26, 2005, the ERC worked approximately 164,400 hours since the last lost workday incident, which occurred on July 11, 2005 and became lost away on July 12, 2005. The ERC has experienced 83% injury-free workdays during FY05 and 69% injury-free workdays for August 2005.

FYTD: 50 first aids; 3 recordable-only; 6 lost restricted; 1 lost time
Current Month: 9 first aids

HIGHLIGHTS:

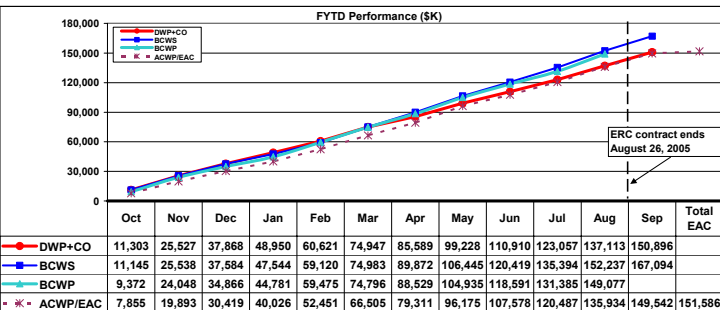
- Successfully completed all planned activities that were required by the ERC to support transition to the River Corridor Closure Contract (RCCC) on August 26. This will be the last ERC monthly performance report. Washington Closure Hanford (WCH) assumed River Corridor cleanup responsibilities on August 27.
- Completed H Reactor SSE structural steel erection; started roofing/siding installation. Overall, H Reactor ISS is more than 98% complete.
- Completed 184-N asbestos removal and demobilized from site.
- Completed demolition and loadout of water silo and regrading and demobilization of the 1900-N facilities.
- Began demolition of 183-KW chlorine vault, external alum, and chemical storage tanks.
- Completed characterization of 334, 334A, and 303M Buildings.
- Successfully restarted 118-B-1 intrusive work with revised processes.
- Conducted sampling of 100-C-7 for chromium plume characterization.
- Initiated closeout sampling of eastern half of 116-K-2 Mile Long Trench.
- Disposed of 974,131 tons of contaminated waste into ERDF during FY05 (through August); marking a fiscal year disposal tonnage record.
- Held public workshop to receive/discuss comments on 100/300 Area Component of River Corridor Baseline Risk Assessment SAP.

UPCOMING KEY ACTIVITIES:

 (will be performed by RCCC)

- Complete H Reactor safe storage enclosure (SSE) roof installation.
- Initiate demolition of 314 Building (Sep).
- Perform confirmatory sampling at 100-D Area waste sites (Sep).
- Award 100-IU-2/-6 Remaining Sites remediation subcontract (Sep).
- Complete subcontracting activities to begin risk assessment field sampling by October 30, 2005, per TPA Milestone M-16-70.
- Support closeout of the ERC.

PERFORMANCE:



- SV:** (\$3,159K); (2.1%). Delays in restart of remediation at 100-B/C and 300 Area burial grounds; 100-K Area backfill behind schedule due to equipment availability; and postponement of system upgrades.

- CV:** \$13,143K; 8.8%. Loadout efficiencies achieved by truck and pup operations at B/C RPAS and Remaining Sites; 100-B/C RPAS and 118-K-1 subcontractor mobilization underruns; backfill efficiencies at K Area; 300 Area facility characterization/deactivation less than planned; FY04 rate rebill credit; FY05 payroll additive rate rebill credit; and reduced estimate of legacy retiree medical costs.

EAC TRENDS:

Current Month: (\$276K)

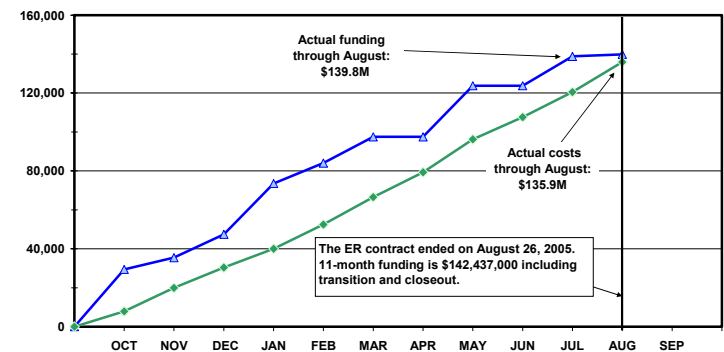
FYTD: (\$15,508K)

- Truck and pup operation efficiencies at 100-B/C.
- RPAS/118-K-1 subcontract mobilization performance.
- Backfill efficiencies at 100-K Area.
- 300 Area facility characterization/deactivation less than planned.
- H Reactor gas wing demolition/loadout resources more than planned.
- FY04 rate rebill credit. FY05 payroll additive rate rebill credit.
- FY04 fee less than forecast. Reduced FY05 fee forecast.
- Legacy retiree medical cost less than planned.

TPA MILESTONES:

- M-93-24, Submit EE/CA for N Reactor ISS (due 9/30/06); *completed 10/14/04, nearly 2 years ahead of schedule.*
- M-16-48, Initiate Remedial Actions for 100-F Area Remaining Waste Sites (due 7/31/05); *completed 3/29/05, 4 months ahead of schedule.*
- C-16-06B, Submit Engineering Evaluation of Final Disposition of River Pipelines and Outfall Structures to Regulators (due 7/31/05); *completed 4/19/05, more than three months ahead of schedule.*
- C-16-06A, Submit B/C Risk Assessment Pilot Study to Regulators (due 7/31/05); *completed 7/13/05.*
- M-93-25, Submit an Engineering Evaluation of Final Surplus Reactor Disposition to Regulators (due 9/30/05); *completed 5/11/05, more than 4 months ahead of schedule.*
- M-93-18, Complete H Reactor ISS (due 12/31/05); *forecast 10/4/05.*

FUNDING:



PERFORMANCE INCENTIVES:

- SPI fee = 1.162 FYTD through August.
- Complete regrade/backfill of 116-N-3 Crib/Trench by 1/1/05.
- Complete 2 Gold Chart release sites by 3/31/05.
- Complete excavation and loadout of 5 waste sites by 3/31/05.
- Completed demolition of 313 Building.
- Completed transition to RCCC.
- Schedule Performance Index.

Notices of Completion were transmitted to RL for review and approval for the above six PIs.

ISSUES:

None.

ENVIRONMENTAL RESTORATION FACILITIES DECOMMISSIONING PROJECT

August 2005 Monthly Report

SAFETY:

FYTD: 19 first aids; 2 recordable-only; 3 lost restricted; 0 lost workday cases; 0 skin contaminations

Current Month: 6 first aids (2 strains, 1 abrasion, 2 contusions; 1 burn)

HIGHLIGHTS:

H Reactor ISS:

- Completed loadout of demolition debris generated to date.
- Completed structural steel erection; started roofing and siding installation.
- Poured concrete pourbacks and began installation of the steel plates.

100-N / 100-K Areas:

- Completed 184-N asbestos removal and demobilized from site.
- Preparation activities to remove and dispose of the 107-N anion exchange vessel are 95% complete, with removal scheduled for mid-September.
- Completed 1900-N processing and loadout of piping.
- Completed demolition and loadout of the water silo and regrading and demobilization of the 1900-N facilities.
- Began demolition of the 183-KW chlorine vault, external alum, and chemical storage tanks.
- Completed 75% of 183.1-KW hazardous materials removal (drained sulfuric acid system, removed mercury switches, PCB ballasts, oils, glycol, etc.)
- Continued removal of radiologically contaminated alum system.

300 Area:

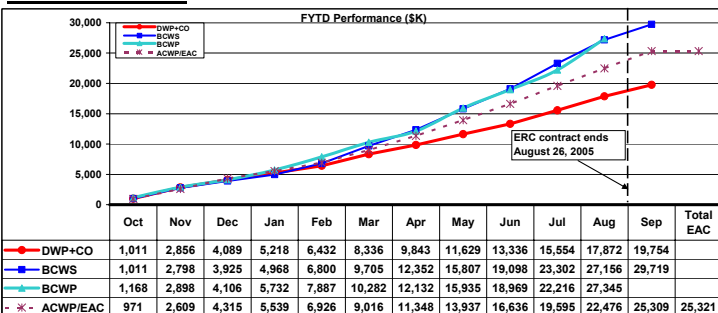
- Completed characterization of 334, 334A, and 303M Buildings.
- Continuing with pre-demolition activities in 314 Building.
- Completed covering 313 Building slab and adjacent areas with gravel.
- Completed demobilization activities at 313 Building.
- Completed 313 Building project and walkdown with RL and EPA.

UPCOMING KEY ACTIVITIES:

 (will be performed by RCCC)

- Complete the roofing and siding at H Reactor.
- Remove 107-N anion exchange vessel.
- Complete isolation of 107-N trench piping.
- Complete above-grade demolition of 183-KW chlorine vault, alum tanks, and sulfuric tanks.
- Complete removal of 183.1-KW radiologically contaminated alum system.
- Initiate demolition of 314 Building (Sep).

PERFORMANCE:



- SV:** \$189K; 0.7%. Ahead of schedule on asbestos removal and deactivation activities for 314 Building.
- CV:** \$4,870K; 17.8%. Fewer resources utilized for accelerated 300 Area characterization than anticipated; fewer 100 Area S&M resources required than planned; partially offset by additional resources required for H Reactor gas wing demolition activities and additional thermal analysis.

EAC TRENDS:

Current Month: \$391K

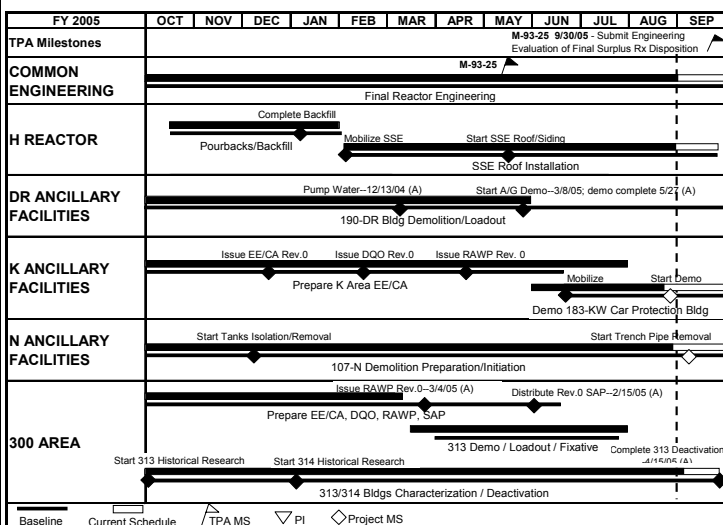
FYTD: (\$4,399K)

- 300 Area EE/CA resources and characterization/deactivation less than planned.
- 1802-N contract closeout.
- H Reactor gas wing demolition/loadout resources more than planned.
- Fewer resources utilized for 100 Area S&M activities.

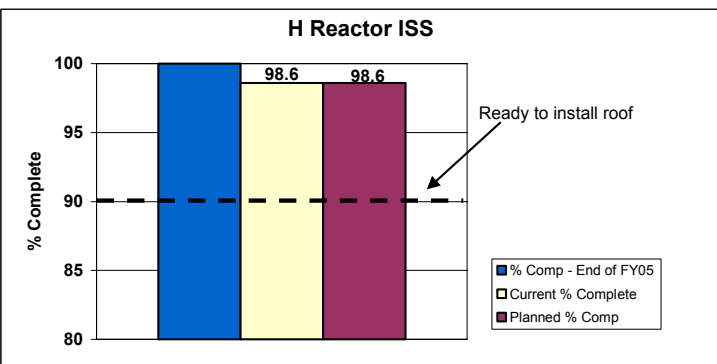
TPA MILESTONES:

- M-93-24, Submit EE/CA for N Reactor ISS (due 9/30/06); **completed 10/14/04, nearly two years ahead of schedule.**
- M-93-25, Submit an Engineering Evaluation of Final Surplus Reactor Disposition to Regulators (due 9/30/05); **complete 5/11/05, more than four months ahead of schedule. Draft A transmitted to RL on 4/27/05; RL transmitted to regulators on 5/11/05.**
- M-93-18, Complete H Reactor ISS (due 12/31/05); **forecast 10/4/05.**

SUMMARY SCHEDULE:



ISS METRIC:



ISSUES:

None.

ENVIRONMENTAL RESTORATION REMEDIAL ACTION PROJECT

August 2005 Monthly Report

SAFETY:

FYTD: 18 first aids; 0 recordable; 0 lost workday cases
Current Month: 2 first aids (bite/sting; strain/sprain)

HIGHLIGHTS:

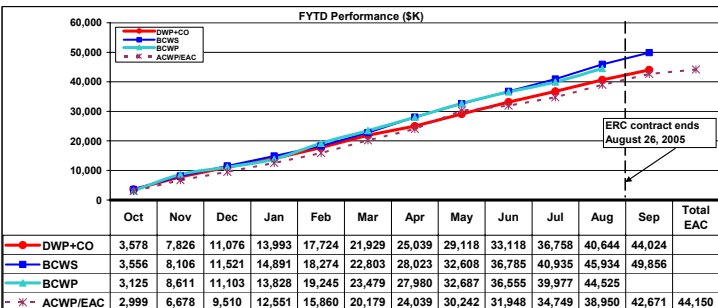
- Received SER from RL for the 100-B/C overbore fuel MOC.
- Successfully initiated restart of 118-B-1 intrusive work with revised processes. Continued loadout from 118-B-1.
- Conducted split sampling with drill rig to groundwater at 100-C-7 hexavalent chromium waste site to characterize chromium plume. Hit groundwater at 85 feet. Suspended loadout from 100-C-7 pending characterization study for chromium.
- Completed excavation/stockpile/loadout at 100-B-14.
- Completed confirmatory sampling at Horseshoe Landfill and discovered a plume. Initiated additional excavation and hit basalt rock at 9 feet. Took samples and demobilized.
- Completed confirmatory sampling at 100-B-1 and 100-C-9 north.
- Demobilized 100-B/C RPAS trailers.
- Continued excavation and loadout for the 100-F Remaining Sites.
- Continued RFP process for 100-IU-2/-6 Remaining Sites remediation.
- Initiated closeout sampling associated with the eastern half of the 116-K-2 Mile Long Trench.
- Initiated backfill activities associated with 116-KE-4/100-KE pipelines.
- Completed excavation of 116-N-1 Crib base scope.
- Completed excavation of contaminated surface area (CSA) A and CSA C base scope.
- Issued approved RSVP for 128-C-1.
- Issued Draft A 182-F RSVP for RL/regulator review.
- Transmitted revised work instructions for seven 100-D Area sites.
- Prepared revised sample design for Horseshoe Landfill.
- Issued 100-D Area Burial Grounds and Remaining Sites Final Design Review package.
- Completed documents, training, and readiness for loadout of stockpiled materials in the 618-8 Burial Ground.
- Issued 600-47 Dumping Area and the 300-18 Surface Contamination Area CVPs Rev 0.
- Completed cleanup verification sampling for 600-259 Lysimeter site, 300 Area Vitrification Test site, and 300-8 Aluminum Shavings area.

UPCOMING KEY ACTIVITIES:

 (will be performed by RCCC)

- Evaluate Horseshoe Landfill data (Sep).
- Evaluate 100-C-7 chromium site data (Sep).
- Perform confirmatory sampling at 100-D Area waste sites (Sep).
- Present allowable residual contaminant level (ARCL) site strategy to Ecology (Sep).
- Issue the 116-C-3 change order final design package (Sep).
- Award 100-IU-2/-6 Remaining Sites remediation subcontract (Sep).

PERFORMANCE:



- SV:** (\$1,410K); (3.1%). Delays in restart of remediation at 118-B-1 and 118-C-1 Burial Grounds and 300 Area Burial Grounds 618-3 and 618-8; K Area backfill behind schedule due to equipment availability; delays in F Area remediation due to dust control concerns; partially offset by accelerated excavation and loadout at 100-B/C Remaining Sites, RPAS sites, N Area, and Horseshoe Landfill.
- CV:** \$5,575K; 12.5%. Loadout efficiencies achieved by truck and pup operations at B/C RPAS and Remaining Sites; backfill efficiencies at K Area; 100-B/C RPAS and 118-K-1 subcontract mobilization performance better than DWP; labor underruns throughout all RA sites due to resource sharing/limitations; reversal of FY04 100-NR overstated accrual; 116-C-3 analytical efficiencies.

EAC TRENDS:

Current Month: \$66K

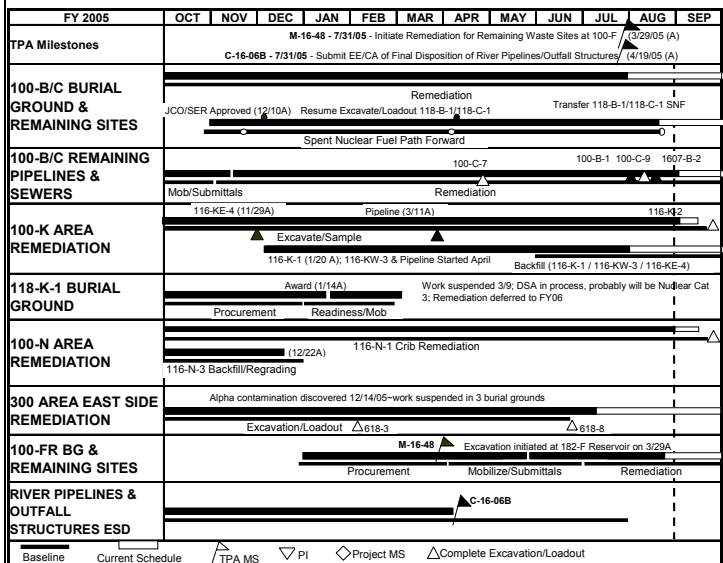
FYTD: (\$5,705K)

- Truck and pup efficiencies at B/C Remaining Sites and RPAS Site 100-B-1; backfill efficiencies at K Area; RPAS and 118-K-1 subcontract mobilization performance better than DWP; reversal of FY04 100-NR overstated accrual; labor underruns; 116-C-3 field sampling and analytical efficiencies.

TPA MILESTONES/COMMITMENTS:

- M-16-48, Initiate Remedial Actions for 100-F Area Remaining Waste Sites (due 7/31/05); complete 3/29/05, 4 months ahead of schedule.
- C-16-06B, Submit Engineering Evaluation of Final Disposition of River Pipelines and Outfall Structures to Regulators (due 7/31/05); complete - ESD (Draft A) was transmitted to RL on 4/7/05; RL forwarded to regulators on 4/19/05.

SUMMARY SCHEDULE:



ISSUES:

None.

ENVIRONMENTAL RESTORATION WASTE OPERATIONS PROJECT

August 2005 Monthly Report

SAFETY:

- FYTD: 8 first aids; 1 recordable-only; 3 lost restricted; 1 lost time
- Current Month: 1 first aid (bite/sting)

HIGHLIGHTS:

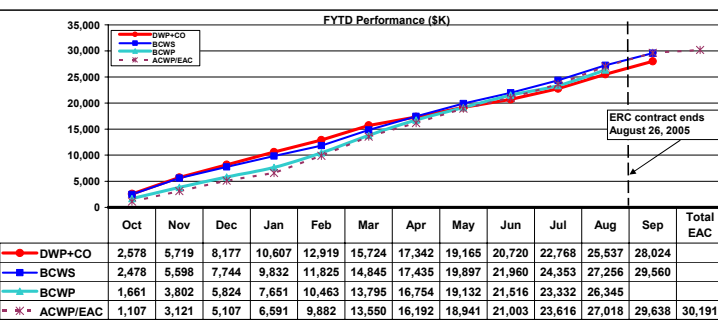
- Received 97,485 tons of waste at ERDF during August; 974,131 tons during FY05; 6,049,854 tons of contaminated material have been disposed in ERDF since operations began in July 1996.
- Suspended operations on 12 separate days due to inclement weather.
- Received EPA approval of the treatment plan for chromium-contaminated waste from 100-C-7 waste site.
- Received regulator approval of the SAP revision for the K-Basin's aluminum fuel canisters. Anticipate receiving this waste stream at ERDF by the end of September from Fluor Hanford.
- Completed macroencapsulation of the tritium pots and miscellaneous other lead wastes.
- Completed lysimeter sampling for ERDF Cells 5 and 6.
- Successfully transitioned ERDF from ERC (BHI) to the River Corridor Closure Contract (WCH).
- Completed exterior and interior framing for the new ERDF office facility.
- Double-wide RCT modular building installation was completed (replaced a single-wide).

UPCOMING KEY ACTIVITIES:

(will be performed by RCCC)

- Complete treatment of ERDF leachate residue waste received from the Effluent Treatment Facility (ETF).
- Complete Waste Operations office building structure. Utilities will be completed in FY06.

PERFORMANCE:



- SV:** (\$911K); (3.3%). Delay in additional ERDF office space procurement and installation; delays in transportation and disposal; remaining macroencapsulation scope deferred to FY06 (BCP submitted for deferred scope).
- CV:** (\$673K); (2.6%). Increased cost for leased trucks and dump truck and pup operations; increased container costs; partially offset by labor underruns in direct project support and transportation/disposal.

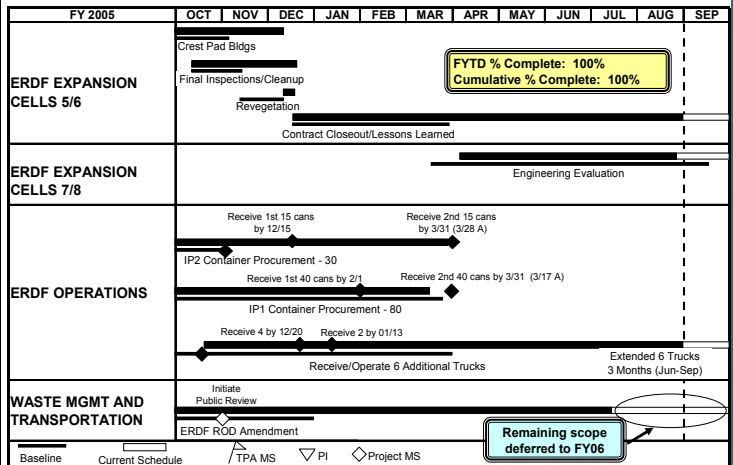
EAC TRENDS:

Current Month: \$208K

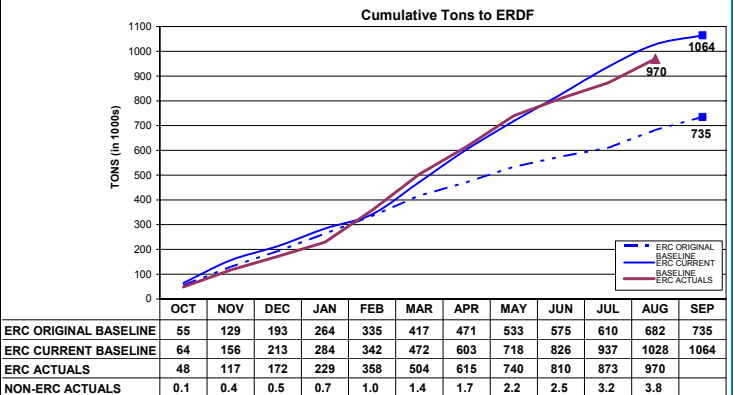
FYTD: \$632K

- Increased cost to support trucks and pups campaign (offset by Remedial Actions savings).
- Increased cost for beryllium waste disposal.
- Decrease in direct project support.

SUMMARY SCHEDULE:



ERDF TONNAGE:



ISSUES:

None.

ENVIRONMENTAL RESTORATION RISK ASSESSMENT / SITE CLOSURE PROJECT

August 2005 Monthly Report

SAFETY:

No first aid, recordable, or lost workday cases experienced FYTD.

HIGHLIGHTS:

100-B/C Pilot:

- The BC-Pilot Risk Assessment document was in regulator, Trustees, and stakeholders review during August. The Risk Assessment document was transmitted on July 21, and a public workshop was held on August 9 to present the findings of the Risk Assessment to the regulators, Tribes, Trustees, and stakeholders. All comments are due by September 30.

100/300 Area:

- Held a public workshop on August 10 to receive and discuss comments from the regulators, Tribes, Trustees and stakeholders on the 100 Area and 300 Area Component of RCBRA Sampling and Analysis Plan (DOE/RL-2005-42, Draft A) with the balance of comments received by August 15. Submitted draft responses of the comments to RL, EPA, and Ecology to help ensure a timely regulator final approval of the SAP.
- Received internal comments on the Sampling and Analysis Instruction for the 100 Area and 300 Area Component of the RCBRA (BHI-01790); currently being dispositioned.
- Continuation of shoreline conductivity surveys are still impacted by high river flow. Surveys will resume when flow is below 80,000 cubic feet per second.
- Posted a Request for Interest on the ERC contracting Web page as the first step in finding a subcontractor for FY06 sampling activities.

Columbia River Component:

- Held 2nd collaborative workshop on Hanford Site Risk Assessment Integration on August 4 with RL, ORP, EPA, Ecology, Tribes, Trustees, HAB, and other stakeholders. Defined topics and issues to be addressed in ongoing focused working sessions.
- Held 9th workshop on Existing Data Compilation/Evaluation on August 16, with RL, EPA, Ecology, Tribes, Trustees, and stakeholders to elicit feedback.

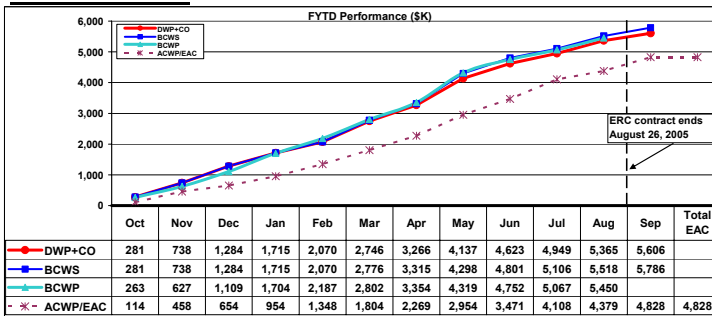
Closure Activities:

- Met with RL project managers to review orphan waste sites for 100-FR-1/2 Operable Units.
- Completed documentation of orphan waste sites for 100-FR-1/2 Operable Units.

UPCOMING KEY ACTIVITIES: (will be performed by RCCC)

- Receive comments on the 100-B/C Pilot Project Risk Assessment Report in September.
- Issue 100 Area and 300 Area Component of RCBRA Sampling and Analysis Plan (DOE/RL-2005-42) Rev. 0.
- Complete 100 Area and 300 Area conductivity survey.
- Complete Tribal plant sampling report for the 100 Area and 300 Area.
- Complete subcontracting activities to begin field sampling by October 30, per TPA Milestone M-16-70.
- Conduct workshop for the Columbia River Component data compilation and evaluation effort in September.
- Complete orphan site evaluation screening report for the 100-FR-1/2 Operable Units.
- Continue to develop implementation plan and obtain approval for use of investigation derived waste approach to support orphan site evaluations.
- Receive comments on end state strategy.

PERFORMANCE:



- SV:** (\$68K); (1.3%). FY05 geotechnical activities deferred to FY06. Columbia River Component Risk Assessment Work Plan put on hold until FY06 per RL direction.
- CV:** \$1,071K; 19.7%. Efficiencies realized in performing peer review of human health risk scenarios, DQO development, reconnaissance sampling, and work associated with the Columbia River work plan and data compilation.

EAC TRENDS:

Current Month: \$42K

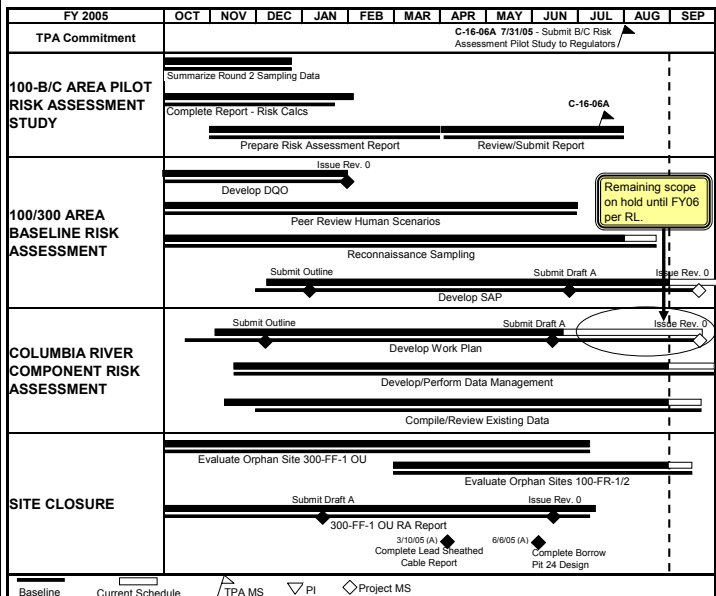
FYTD: (\$958K)

- Efficiencies will result in a positive variance at completion and have been reflected in the EAC. Positive variance to date will be decreased slightly by FY-end based on workscope remaining to be completed.

TPA COMMITMENTS:

C-16-06A, Submit B/C Risk Assessment Pilot Study to Regulators (due 7/31/05); Completed - transmitted report to RL on 6/24/05; RL transmitted to regulators on July 13.

SUMMARY SCHEDULE:



ISSUES:

None.

ENVIRONMENTAL RESTORATION MISSION SUPPORT

August 2005 Monthly Report

SAFETY:

FYTD: 5 first aids; 0 recordable-only; 0 lost workday cases
Current Month: None

HIGHLIGHTS:

Safety and Health:

- Completed all planned activities that were required by the ERC to support transition to the River Corridor Closure Contract (RCCC).

Technical Services:

- Revised BHI Spill/Release Point-of-Contact protocols based on recent ERC policy changes.
- Prepared 6 RCRA Part A's for transmittal to RL and Ecology to support the transition of RCRA Permit responsibilities from BHI to WCH.
- Supported laboratory audit of the 222-S Facility. Two findings and 12 observations were noted and are being corrected.
- Conducted USQ training for 16 ERC employees to support growing project activities in nuclear safety.
- Performed the annual Nuclear Criticality Safety Assessment of ERC activities.
- Completed Multi-Incremental Sampling Pilot Study for 128-C-1 and 126-B-3. Results look promising for using this sampling technique to support interim waste site closure decisions.
- Completed review of field characterization instruments to analyze constituents from unknown waste forms in burial grounds, continued evaluation of improvements to beta scintillators, and continued testing of potential fixatives for containing surface contamination. Completed documentation of ERC technology activities and archived all files of technology information.
- Provided sample/data management support – collected 1,273 samples, issued 20 sample authorization forms (SAF), issued 28 sample disposition records (SDR), and validated 3 data packages.

UPCOMING KEY ACTIVITIES: (will be performed by RCCC)

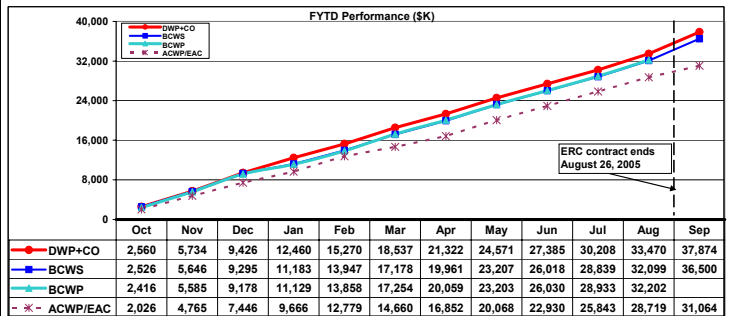
- Support closeout of the ERC.

ASSESSMENTS:

FY 2005 ERC Assessment Data											
Assessments	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Scheduled	17	24	22	25	20	24	21	20	25	20	23
Scheduled / Performed	14	18	18	20	16	19	18	16	19	17	17
Past Due Completed	4	0	5	3	4	3	3	2	5	4	5
Unscheduled / Performed	3	5	5	3	4	3	2	1	5	1	0
Total Performed	21	23	28	26	24	25	23	19	29	22	22

No significant findings during this reporting period.

PERFORMANCE:



- SV:** \$103K; 0.3%. Insignificant.
- CV:** \$3,483K; 10.8%
 - FY04 rate rebill credit.
 - FY05 payroll additive rate rebill credit.
 - Legacy retiree medical cost less than planned.
 - Labor efficiencies in Safety & Health.

EAC TRENDS:

Current Month: (\$895K)

FYTD: (\$5,435K)

- FY04 rate rebill credit
- FY05 payroll additive rate rebill credit.
- Legacy retiree medical cost less than planned.
- Reduced FY05 fee forecast.
- FY04 fee less than forecast.
- Labor efficiencies in Safety and Health.
- Cost of developing FY06 DWP less than planned.

ISSUES:

None.

ENVIRONMENTAL RESTORATION GENERAL SUPPORT

August 2005 Monthly Report

SAFETY:

FYTD: 0 first aids; 0 recordable-only; 0 lost workday cases

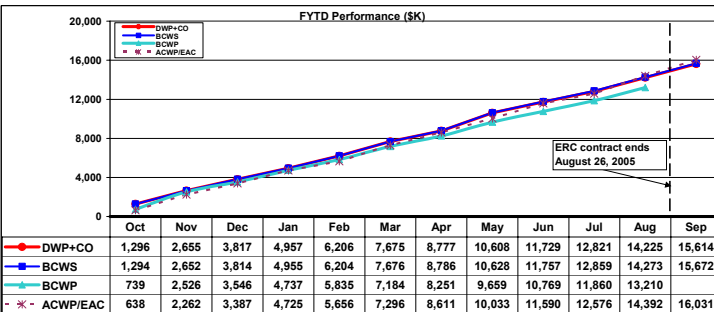
HIGHLIGHTS:

- Completed transition activities related to the River Corridor Closure Contract (RCCC).
- Completed FY06 DWP efforts.
- Implemented the Washington Closure Hanford (WCH)-specific P-Card system.
- Completed and closed out FY05 physical inventory.

UPCOMING KEY ACTIVITIES: (will be performed by RCCC)

- Complete move of server room from 3350 George Washington Way to Hanford Square IV.

PERFORMANCE:



- SV:** (\$1,063K); (7.4%). Postponement of system upgrades.
- CV:** (\$1,182K); (8.9%). Overrun due to transition costs in Information Systems and Facilities, and more leased vehicles than planned.

EAC TRENDS:

Current Month: (\$87K)

FYTD: \$358K

- More leased vehicles than planned.

CONTRACT METRIC:

	Goal	FYTD	Aug 05
Small Business	50.0%	65.7%	64.1%
Disadvantaged	6.5%	10.3%	12.0%
Woman-Owned	2.5%	3.3%	2.0%
Veteran-Owned	0.02%	1.16%	3.07%
SD Veteran-Owned	0.02%	0.11%	0.00%
Hubzone Certified	0.05%	1.62%	0.91%

Total P-Cards for August: \$ 380,119 (399 actions)

Total August Commitments: \$ 5,029,300 (47 actions)

Total FY05 Commitments: \$67,455,831

ISSUES:

None.



Bechtel Hanford, Inc.
Environmental Restoration Contractor



CH2MHILL Hanford Inc.



**EBERLINE
SERVICES**
HANFORD, INC.

GREEN TEXT = AHEAD OF SCHEDULE 4 WEEKS OR MORE
RED TEXT = BEHIND SCHEDULE 4 WEEKS OR MORE / TPA IMPACT